(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/059171 A1

(51) International Patent Classification7:

C12Q 1/68

(21) International Application Number:

PCT/EP2004/013398

(22) International Filing Date:

26 November 2004 (26.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03028074.7

9 December 2003 (09.12.2003) EP

- (71) Applicant (for all designated States except US):
 NANOGEN RECOGNOMICS GMBH [DE/DE];
 Industriepark Höchst, Gebäude G 830, 65926 Frankfurt am Main (DE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KAPPEL, Andreas [DE/DE]; Am Wiesenhof 9, 61462 Königstein (DE).
- (74) Agent: ACKERMANN, Joachim; Postfach 11 13 26, 60048 Frankfurt (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF A MUTATION IN THE BRAF GENE FOR THE DETERMINATION OF THE MALIGNANCY OF MELANOMA CELLS

(57) Abstract: The invention relates to the use of oligonucleotide probes comprising exon 15 of the BRAF gene or a part thereof comprising codon 599 for the detection of the malignancy of melanoma cells.